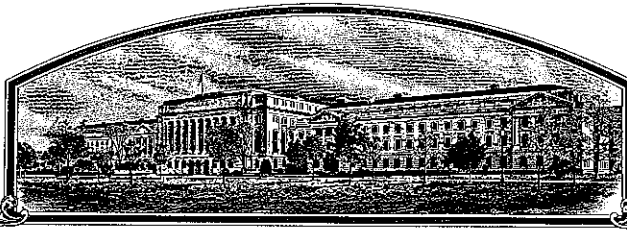


No.

9700012



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**Hybri Tech Seed International, a unit of Monsanto Company**

Whereas, THERE HAS BEEN PRESENTED TO THE

**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLACEMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE IDENTIFIED BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENETIC UNITS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

**WHEAT, COMMON**

**'Platte'**

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirtieth day of July in the year of our Lord one thousand nine hundred and ninety-nine.*

Attest:

*Ann Marie J.*

Commissioner  
Plant Variety Protection Office  
United States Department of Agriculture

*Samuel H. Hildner*  
Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
HybriTech Seed International, a unit of Monsanto Company		WI89-163W	Platte
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER 9700012 DATE Oct 15, 1996
5912 N. Meridian Street Wichita, Kansas 67204-1699		316-755-1249	
6. FAX (include area code)		8. FAMILY NAME (Botanical)	9. HUNG AND EXAMINATION FEE
316-755-0072		Gramineae	2450.00 DATE Oct 15, 1996
7. GENUS AND SPECIES NAME	10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)		CERTIFICATION FEE
Triticum aestivum	Hard White Winter Wheat		302.00 DATE 3/10/95
11. IF INCORPORATED, GIVE STATE OF INCORPORATION	12. DATE OF INCORPORATION		
Delaware	1933		
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS			14. TELEPHONE (include area code)
Dr. Gordon Cisar 806 N. Second Street P.O. Box 1320 Berthoud, Colorado 80513			OR Robert Bruns (Agripro Seeds) 806 N. Second Street Berthoud, CO 80513 970-532-3721
			15. FAX (include area code) 970-532-2035
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)			
<input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository) <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,460), made payable to "Treasurer of the United States" (Mail to PVPO)			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act)			
<input checked="" type="checkbox"/> YES (If "yes," answer items 18 and 19 below) <input type="checkbox"/> NO (If "no," go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		<input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?			
<input checked="" type="checkbox"/> YES (If "yes," give names of countries and dates) Sold in the U.S.A. in the Fall of 1996. <input type="checkbox"/> NO			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.			
The undersigned applicant(s) is(are) the owner(s) of this asexually reproduced or tuber propagated plant variety, and believes that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.			
Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT (Owner(s))	
NAME (Please print or type)		NAME (Please print or type)	
Dr. Gordon Cisar		Robert Bruns	
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
Senior Project Leader, HRW Research	10/1/96		

## ***Exhibit A.***

### ***Origin and Breeding History of Platte***

Platte was an F3 derived single plant selection from the cross Tesia 79 / Chat 'S' // Abilene. The cross was made in 1984 and the F1 and F2 populations were grown unselected in 1985 and 1986. An F3 population plant selection based upon plant height, fertility and the absence of foliar disease was made in Berthoud, Colorado in 1987. The resulting F4 plant row was tested in preliminary yield trials in 1988 where it was further screened for height, fertility and foliar diseases. Platte has been tested as a pure-line in replicated yield trials in 1988, 1990, 1991, 1992, 1993, 1994 and 1995, where it was further screened for the previously mentioned traits as well as uniformity and quality. These replicated trials represent a broad geographic area in the Hard Winter Wheat region. Platte has been tested in selected university trials and in the Southern Regional Performance Nursery under the designation WI89-163W.

In 1992, 96 headrows were planted in Berthoud, Colorado. The rows with uniform appearance were individually harvested, evaluated for seed color and planted as progeny rows in Berthoud, Colorado in 1993. After these progeny rows were evaluated for disease resistance, phenotype and seed color they were planted in an initial Breeder's Seed increase in Berthoud, Colorado in 1994.

Platte was uniform and stable in 1994, 1995 and 1996. Less than 0.8% of the plants were rogued from the Breeder's Seed increase in 1994. Approximately 85% of the rogued variant plants were taller height wheat plants (5 to 15 cm), 3% were blue-green at boot stage and 2% were awnletted wheat plants. Up to 1% variant plants may be encountered in subsequent generations.

***Exhibit B.***  
***Statement of Distinctness***

Platte is most similar to the hard white winter wheat 'Rio Blanco'. However it can be easily distinguished by the following morphological characteristics:

- Both Platte and Rio Blanco have acuminate beaks on the glume however, Platte's is significantly longer (see statistical data from Berthoud, CO 1995 and Berthoud greenhouse 1995-1996).
- Platte's head color during late milk is Royal Horticultural Society chart #139C (Berthoud, Colorado 1995 and 1996). Rio Blanco's head color at late milk is R.H.S. chart #144C (Berthoud, Colorado 1995 and 1996).

# Agripro Seeds Inc.

## Statistical Summary

4/18/96

<b>t-Test: Two-Sample Assuming Equal Variances (1)</b>		
<b>Beak Length</b>		
	For year: <b>1995</b>	
	<b>Platte</b>	<b>Rio Blanco</b>
<i>Mean</i>	4.552	2.452
<i>Variance</i>	0.585933333	0.304266667
<i>Observations</i>	25	25
<i>Pooled Variance</i>	0.4451	
<i>Hypothesized Mean Difference</i>	0	
<i>df</i>	48	
<i>t Stat</i>	11.12872739	
<i>P(T&lt;=t) one-tail</i>	3.40515E-15	
<i>t Critical one-tail</i>	1.677224191	
<i>P(T&lt;=t) two-tail</i>	6.8103E-15	
<i>t Critical two-tail</i>	2.01063358	

<b>t-Test: Two-Sample Assuming Unequal Variances (2)</b>		
<b>Beak Length</b>		
	For year: <b>1995</b>	
	<b>Platte</b>	<b>Rio Blanco</b>
<i>Mean</i>	4.552	2.452
<i>Variance</i>	0.585933333	0.304266667
<i>Observations</i>	25	25
<i>Hypothesized Mean Difference</i>	0	
<i>df</i>	44	
<i>t Stat</i>	11.12872739	
<i>P(T&lt;=t) one-tail</i>	1.11482E-14	
<i>t Critical one-tail</i>	1.680230071	
<i>P(T&lt;=t) two-tail</i>	2.22964E-14	
<i>t Critical two-tail</i>	2.0153675	

(1) Steel, R.G.D., and J.H. Torrie. 1960. Comparisons Involving Two Sample Means. p. 86-121. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

(2) Steel, R.G.D., and J.H. Torrie. 1960. Independent Samples and Unequal Variances. p. 106. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

**Agripro Seeds Inc.**  
**Statistical Summary**  
4/18/96

9700012

**Raw Data Summary****Beak Length****1995**

number of observations:	Raw data:	
	Platte	Rio Blanco
1	3.5	1.0
2	3.5	2.0
3	3.8	2.0
4	3.9	2.0
5	3.9	2.0
6	4.0	2.2
7	4.0	2.2
8	4.0	2.2
9	4.0	2.2
10	4.0	2.2
11	4.1	2.3
12	4.3	2.4
13	4.3	2.4
14	4.4	2.4
15	4.4	2.4
16	4.9	2.4
17	5.0	2.5
18	5.0	2.7
19	5.0	2.7
20	5.1	2.8
21	5.5	3.0
22	5.5	3.0
23	5.6	3.0
24	5.8	3.6
25	6.3	3.7

# Agripro Seeds Inc.

## Statistical Summary

4/18/96

t-Test: Two-Sample Assuming Equal Variances (1)		
Beak Length (mm)		For year: 1996-GH
	Platte	Rio Blanco
Mean	5.116	3.22
Variance	1.324733333	0.765833333
Observations	25	25
Pooled Variance	1.045283333	
Hypothesized Mean Difference	0	
df	48	
t Stat	6.556564329	
P(T<=t) one-tail	1.76087E-08	
t Critical one-tail	1.677224191	
P(T<=t) two-tail	3.52173E-08	
t Critical two-tail	2.01063358	

t-Test: Two-Sample Assuming Unequal Variances (2)		
Beak Length (mm)		For year: 1996-GH
	Platte	Rio Blanco
Mean	5.116	3.22
Variance	1.324733333	0.765833333
Observations	25	25
Hypothesized Mean Difference	0	
df	45	
t Stat	6.556564329	
P(T<=t) one-tail	2.32229E-08	
t Critical one-tail	1.679427442	
P(T<=t) two-tail	4.64458E-08	
t Critical two-tail	2.014103302	

(1) Steel, R.G.D., and J.H. Torrie. 1960. Comparisons Involving Two Sample Means. p. 86-121. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

(2) Steel, R.G.D., and J.H. Torrie. 1960. Independent Samples and Unequal Variances. p. 106. In Principles and Procedures of statistics. McGraw-Hill Book Co. Inc., New York.

7.

9700012

**Agripro Seeds Inc.**  
**Statistical Summary**  
4/18/96

**Raw Data Summary**

**Beak Length (mm)**

**1996-GH**

number of  
observations:

Raw data:

Platte

Rio Blanco

1	3.0	2.0
2	3.8	2.1
3	4.0	2.1
4	4.0	2.3
5	4.0	2.4
6	4.0	2.5
7	4.2	2.6
8	4.4	2.6
9	4.4	2.7
10	4.7	2.7
11	4.7	2.8
12	5.0	2.8
13	5.0	3.0
14	5.1	3.0
15	5.3	3.3
16	5.4	3.6
17	5.4	3.7
18	5.5	4.0
19	5.7	4.0
20	5.9	4.0
21	6.0	4.0
22	6.6	4.1
23	6.9	4.5
24	7.4	4.7
25	7.5	5.0

OBJECTIVE DESCRIPTION OF VARIETY  
WHEAT (*Triticum* Spp.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S) HybriTech Seed International, a unit of Monsanto Company	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 5912 N. Meridian Street Wichita, Kansas 67204-1699	PVPO NUMBER 9700012
	VARIETY NAME OR TEMPORARY DESIGNATION Platte

Place the appropriate number that describes the varietal character of this variety in the boxes below.  
Place a zero in the first box (e.g.   or  ) when number is either 99 or less or 9 or less.

1. KIND:

1 = COMMON    2 = DURUM    3 = CLUB    4 = OTHER (SPECIFY) \_\_\_\_\_

2. VERNALIZATION:

1 = SPRING    2 = WINTER    3 = OTHER (SPECIFY) \_\_\_\_\_

3. COLEOPTILE ANTHOCYANIN:

1 = ABSENT    2 = PRESENT

4. JUVENILE PLANT GROWTH:

1 = PROSTRATE    2 = SEMI-ERECT    3 = ERECT

5. PLANT COLOR (boot stage):

1 = YELLOW-GREEN    2 = GREEN    3 = BLUE-GREEN

6. FLAG LEAF (boot stage):

1 = ERECT    2 = RECURVED

1 = NOT TWISTED    2 = TWISTED

7. EAR EMERGENCE:

NUMBER OF DAYS EARLIER THAN \_\_\_\_\_ \*

0 1 NUMBER OF DAYS LATER THAN Rio Blanco \_\_\_\_\_ \*

8. ANTHOR COLOR:

1 = YELLOW    2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns)

cm. TALLER THAN Equal in height to Rio Blanco \_\_\_\_\_ \*

cm. SHORTER THAN \_\_\_\_\_ \*

\* Relative to a PVP-approved commercial variety grown in the same trial

## 10. STEM:

## A. ANTHOCYANIN

☐ 1

1 = ABSENT 2 = PRESENT

## B. WAXY BLOOM

☐ 2

1 = ABSENT 2 = PRESENT

## C. HAIRINESS (last internode of rachis)

☐ 2

1 = ABSENT 2 = PRESENT

D. INTERNODE (specify number) 4☐ 1

1 = HOLLOW 2 = SEMI-SOLID 3 = SOLID

## E. PEDUNCLE

☐ 1

1 = ERECT 2 = RECURVED

☐ 3 ☐ 3

cm. PEDUNCLE LENGTH

## 11. HEAD (at Maturity):

## A. DENSITY

☐ 2

1 = LAX 2 = MIDDENSE 3 = DENSE

## B. SHAPE

☐ 1

1 = TAPERING 2 = STRAP 3 = CLAVATE 4 = OTHER (specify) \_\_\_\_\_

## C. CURVATURE

☐ 2

1 = ERECT 2 = INCLINED 3 = RECURVED

## D. AWNEDNESS

☐ 4

1 = AWNLESS 2 = APICALLY AWNLETED 3 = AWNLETED 4 = AWNED

## 12. GLUMES (at Maturity):

## A. COLOR

☐ 1

1 = WHITE 2 = TAN 3 = OTHER (specify) \_\_\_\_\_

## B. SHOULDER

☐ 2

1 = WANTING 2 = OBLIQUE 3 = ROUNDED 4 = SQUARE 5 = ELEVATED 6 = APICULATE

## C. BEAK

☐ 3

1 = OBTUSE 2 = ACUTE 3 = ACUMINATE

## D. LENGTH

☐ 2

1 = SHORT (ca. 7mm) 2 = MEDIUM (ca. 8mm) 3 = LONG (ca. 9mm)

## E. WIDTH

☐ 2

1 = NARROW (ca. 3mm) 2 = MEDIUM (ca. 3.5mm) 3 = WIDE (ca. 4mm)

## 13. SEED:

## A. SHAPE

☐ 1

1 = OVATE    2 = OVAL    3 = ELLIPTICAL

## B. CHEEK

☐ 1

1 = ROUNDED    2 = ANGULAR

## C. BRUSH

☐ 2

1 = SHORT    2 = MEDIUM    3 = LONG

☐ 1

1 = NOT COLLARED    2 = COLLARED

## D. CREASE

☐ 11 = WIDTH 60% OR LESS OF KERNEL  
2 = WIDTH 80% OR LESS OF KERNEL  
3 = WIDTH NEARLY AS WIDE AS KERNEL☐ 11 = DEPTH 20% OR LESS OF KERNEL  
2 = DEPTH 35% OR LESS OF KERNEL  
3 = DEPTH 50% OR LESS OF KERNEL

## E. COLOR

☐ 1

1 = WHITE    2 = AMBER    3 = RED    4 = OTHER (specify) \_\_\_\_\_

## F. TEXTURE

☐ 1

1 = HARD    2 = SOFT

## G. PHENOL REACTION (see instructions)

☐ ---1 = IVORY    2 = FAWN    3 = LIGHT BROWN  
4 = DARK BROWN    5 = BLACK

## 14. DISEASE: (0 = NOT TESTED;    1 = SUSCEPTIBLE;    2 = RESISTANT) 3 = moderately susceptible 4 = moderately resistant

☐ 4STEM RUST  
(Res. genes) \_\_\_\_\_☐ 0STRIPE RUST  
(Res. genes) \_\_\_\_\_☐ 3MILDEW  
(Res. genes) \_\_\_\_\_☐ 0*Septoria nodorum*  
(Res. genes) \_\_\_\_\_☐ 0BYDV  
(Res. genes) \_\_\_\_\_☐ 4SBMV  
(Res. genes) \_\_\_\_\_☐

OTHER \_\_\_\_\_

☐ 4LEAF RUST  
(Res. genes) \_\_\_\_\_☐ 0LOOSE SMUT  
(Res. genes) \_\_\_\_\_☐ 0BUNT  
(Res. genes) \_\_\_\_\_☐ 0*Septoria tritici*  
(Res. genes) \_\_\_\_\_☐ 3WSMV  
(Res. genes) \_\_\_\_\_☐ 4SSMV  
(Res. genes) \_\_\_\_\_

15. INSECT: (0 = NOT TESTED; 1 = SUSCEPTIBLE; 2 = RESISTANT)

3 = moderately susceptible  
4 = moderately resistant☐

HESSIAN FLY (Res. genes) \_\_\_\_\_

☐

STEM SAWFLY (Res. genes) \_\_\_\_\_

☐

CEREAL LEAF BEETLE (Res. genes) \_\_\_\_\_

☐

APHIDS (Res. genes) \_\_\_\_\_

☐

GREENBUG (Res. genes) \_\_\_\_\_

☐

RUSSIAN APHID (Res. genes) \_\_\_\_\_

☐

OTHER (specify) \_\_\_\_\_

***Exhibit D.***  
***Additional Description of Platte***

Platte is a hard white winter wheat bred and developed by Agripro Seeds, Inc. By contractual agreement the variety 'Platte' is currently owned by Hybritech Seed International, a unit of Monsanto Company. Platte is a high yielding, short semidwarf wheat with medium maturity and excellent straw strength. Platte provides moderately resistance to Leaf rust, Stem rust, Soilborne mosaic virus and Spindle streak mosaic virus. Milling and baking characteristics are good.

Juvenile growth habit is semi-erect. Seedling anthocyanin is present. Plant color at boot stage is green. Anther color is yellow. Auricle anthocyanin and auricle hairs are present. Waxy bloom is present on the stem and flag leaf sheath. Head shape is tapering and awned. Glumes are midwide and midlong with an oblique shoulder shape and acuminate beak. Seed shape is ovate. Seed depth is shallow and width is narrow. Seed cheeks are rounded.

Platte is well adapted to a large portion of the Hard Winter Wheat region. This includes eastern Kansas, southwestern Nebraska, eastern Colorado and the states of Texas and Oklahoma.

ACRIPRO WHEAT  
HARD WHITE MINIER WHEAT

YEAR: 1996

FLOUR/WHEAT QUALITY

YEAR-LOC	FLOUR/WHEAT QUALITY										BAKING QUALITY									
	WHT					MIXOCRAM					ABS					MIX TIME				
	PROT	PROT	PROT	PROT	PROT	PK	PK	HT	TOL		%	R	min	R	cc	R	min	R	cc	R

PLATE

95-GK	14.3	13.3	3	65	69.8	4	.434	4.25	5.8	1371	4	66.0	3	4.25	3	900	3	4	2	2	39
95-GK	14.1	13.1	3	66	71.9	2	.000	3.75	5.5	940	6	66.0	3	3.75	3	835	4	4	3	2	44
94-NI	12.1	11.1	4	67	72.2	3	.000	4.00	5.0	1253	3	64.0	3	4.00	1						
93-GI	11.7	10.3	6	55	70.8	4	.451	3.00	5.3	1105	3	62.0	5	3.00	3	780	4	2	1	1	40
AVERAGE	13.1	12.0	4.0	63	71.2	3.3	.443	3.75	5.3	1167	4.0	64.5	3.5	3.75	2.5	838	3.7	3.3	3.0	2.5	41

RIO BLANCO

95-GK	13.3	12.2	4	53	71.3	3	.000	4.25	5.5	1084	6	66.0	3	4.25	3	835	4	6	3	3	51
93-GI	10.7	9.7	7	51	70.0	4	.502	3.50	5.0	1288	2	61.0	6	3.50	1	770	4	2	2	2	41
AVERAGE	12.0	11.0	5.5	52	70.7	3.5	.502	3.88	5.2	1186	4.0	63.5	4.5	3.88	2.0	803	4.0	4.0	2.5	2.5	46

RATINGS: 1-2-EXCELLENT 3-4-GOOD 5-ACCEPTABLE 6-7-QUESTIONABLE 8-9-UNACCEPTABLE

Var./Line	Heading	Maturity	Coleoptile	Height	Straw	Leaf Rust	Stem Rust	Powdery Mildew	Hessian fly	WSMV	SBMV	SSMV
Plate	5	5	6	3	3	3	4	6	7	9	5	4
Rio Blanco	4	5	5	3	5	8	8	7	7	5	7	6

**Data generated in 1988:**

Berthoud, CO - Yield, Test Wt., Height, Lodging Severity (straw strength), Maturity, Pollination, Hessian fly (grhse. screening) Powdery Mildew, Leaf Rust, Stem Rust (grhse. screening)  
 Salina, KS - Yield, Test Wt.  
 Everest, KS - Soilborne Mosaic

**Data generated in 1989:**

Berthoud, CO - Yield, Test Wt., Height, Heading Date, Stem Rust (grhse. & field), Leaf Rust (grhse)  
 Nardin, OK - Yield, Test Wt., Height, Maturity, Lodging Severity (straw strength), Leaf Rust (field)  
 Garden City, KS - Yield, Test Wt.  
 Geneva, NE - Yield, Test Wt., Height

**Data generated in 1990:**

Berthoud, CO - Height, Heading, Anthesis, Coleoptile (grhse. screening)  
 Dumas, TX - Growth habit, Heading  
 Salina, KS - Leaf Rust  
 Grant, NE - Soilborne  
 Hays, KS - WSMV (Visual screening - Dr.T.J Martin).

**Data generated in 1991:**

Berthoud, CO - Heading, Pollination, Leaf Rust  
 Dumas, TX - Heading  
 Wichita, KS - Heading, Tan spot, Leaf Rust  
 Everest, KS - Soilborne, Spindle Streak  
 Salina, KS - Leaf Rust  
 Imperial, NE - Leaf Rust  
 Hays, KS - WSMV (Visual screening - Dr.T.J Martin).

**Data generated in 1992:**

Berthoud, CO - Yield, Test Wt., Heading, Height, Pollination, Greenhouse Screening for:  
 Coleoptile, Tan Spot, Stem Rust, Powdery Mildew, and Hessian fly  
 Salina KS - Yield, Test Wt.,  
 Rome, KS - Spindle Streak  
 Hays, KS - WSMV (Visual screening - Dr.T.J Martin).  
 Wichita, KS - Yield, Test Wt., Septoria

**Data generated in 1993:**

Berthoud, CO - Yield, Test Wt., Heading, Pollination, Maturity, Height,  
 Powdery mildew, Leaf Rust  
 Garden City, KS - Yield, Test Wt.  
 Geneva, NE - Soilborne  
 Imperial, NE - Yield, Test Wt., Lodging  
 Wichita, KS - Yield, Test Wt., Septoria, Tan spot

**Data generated in 1994:**

Berthoud, CO - Yield, Test Wt., Heading, Pollination, Maturity, Height,  
 Leaf Rust (greenhse screening), Powdery Mildew  
 Garden City, KS - Yield, Test Wt., Leaf Rust  
 Goodland, KS - Yield, Test Wt., Lodging, Wheat Streak  
 Nardin, OK - Leaf Rust, Septoria, Tan spot  
 Dumas, TX - Yield, Test Wt.  
 Hereford, TX - Heading  
 Hays, KS - WSMV (Visual screening).

**Data generated in 1996:**

Berthoud, CO - Yield, Test Wt., Heading, Leaf Rust, Lodge Severity,  
 Powdery mildew  
 Goodland, KS - Yield, Test Wt., Lodge Severity  
 Beloit, KS - Yield, Test Wt., Tan Spot  
 Salina, KS - Heading, Septoria  
 Everest, KS - Spindle Streak, Soilborne  
 Saint John, KS - Spindle Streak  
 Dumas, TX - Test Wt.  
 Wichita, KS - Leaf Rust, Tan Spot

Note: Rankings in this table represent the average for a given trait on a 1-9 scale where 1 and 9 represent the extremes for the respective traits.

Trait	1	9
Heading	early	late
Maturity	early	late
Coleoptile	long	short
Height	short	tall
Straw Strength	strong	weak
All disease & insect ratings	resistant	susceptible

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

## EXHIBIT E

## STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S)  HybriTech U.S., a unit of Monsanto Company	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  WI89-163W	3. VARIETY NAME  Platte
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  5912 N. Meridan Street Wichita, Kansas 67204-1699	5. TELEPHONE (include area code)  316-755-1250	6. FAX (include area code)  316-755-0072
7. PVPO NUMBER  9700012		
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		

9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
10. Is the applicant the original owner? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If no, please answer <u>one</u> of the following:	
a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)? <input type="checkbox"/> YES <input type="checkbox"/> NO If no, give name of country	
b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no, give name of country	

11. Additional explanation on ownership (if needed, use reverse for extra space):

\*Please see following page.

## PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

***Exhibit E.***  
***Statement of the Basis of Applicant's Ownership***

The variety for which Plant Variety Protection is hereby sought was developed by Dr. John Moffatt, an employee of Agripro Seeds, Inc. By agreement between employees and Agripro Seeds, Inc., all rights to any invention, discovery, or development made by the employee while employed by Agripro Seeds, Inc., were assigned to Agripro Seeds, Inc., with no rights of any kind pertaining to 'Platte' being retained by the employees.

By contractual agreement the variety 'Platte' is currently owned by HybriTech Seed International, a unit of Monsanto Company and licensed to Agripro Seeds, Inc. for commercial use.